

11-21-06  
PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** ~~Mail Stop ISSUE FEE~~  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
or **Fax** (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

27572 7590 08/22/2006

HARNESS, DICKEY & PIERCE, P.L.C.  
P.O. BOX 828  
BLOOMFIELD HILLS, MI 48303

11/22/2006 EAREGAY2 000007E 503213 10709937

01 FC:1501 1400.00 DA  
02 FC:1504 300.00 DA  
03 FC:6001 15.00 DA



**Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the ~~Mail Stop ISSUE FEE~~ address above, or being facsimile transmitted to the USP (571) 273-2885, on the date indicated below.

G. Gregory Schivley	(Depositor's name)
<i>[Signature]</i>	(Signature)
November 20, 2006	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/789,937	02/27/2004	Hisataka Toyoshima	9119T-000696	6792

TITLE OF INVENTION: RAW OR GRANULATED POWDER FOR SINTERING, AND THEIR SINTERED COMPACTS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	11/22/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
MAI, NGOCLAN THI	1742	075-245000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Harness, Dickey &  
Pierce, P.L.C.  
2 \_\_\_\_\_  
3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Seiko Epson Corporation

JAPAN

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
- ☒ Advance Order - # of Copies 5

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 50-3213 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Date November 20, 2006

Typed or printed name

Registration No. 27,382

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



<b>FEE TRANSMITTAL</b> <b>for FY 2006</b>		<b>Complete if Known</b>	
Effective 2/8/2006. Patent fees are subject to annual revision.		Application Number	10/789,937
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	February 27, 2004
		First Named Inventor	Hisataka Toyoshima
		Examiner Name	MAI, Ngoclan Thi
		Art Unit	1742
<b>TOTAL AMOUNT OF PAYMENT</b> (\$) 1715		Attorney Docket No.	9319T-000696

<b>METHOD OF PAYMENT (check all that apply)</b>				<b>FEE CALCULATION (continued)</b>																																																																																																																																																																																					
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None				<b>3. ADDITIONAL FEES</b>																																																																																																																																																																																					
<input checked="" type="checkbox"/> Deposit Account: Deposit Account Number: 50-3213 Deposit Account Name: Epson R & D				<table border="1"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr><tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr><tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr><tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr><tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr><tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr><tr><td>1251</td><td>120</td><td>2251</td><td>60</td><td>Extension for reply within first month</td><td></td></tr><tr><td>1252</td><td>450</td><td>2252</td><td>225</td><td>Extension for reply within second month</td><td></td></tr><tr><td>1253</td><td>1020</td><td>2253</td><td>510</td><td>Extension for reply within third month</td><td></td></tr><tr><td>1254</td><td>1,590</td><td>2254</td><td>795</td><td>Extension for reply within fourth month</td><td></td></tr><tr><td>1255</td><td>2,160</td><td>2255</td><td>1080</td><td>Extension for reply within fifth month</td><td></td></tr><tr><td>1401</td><td>500</td><td>2401</td><td>250</td><td>Notice of Appeal</td><td></td></tr><tr><td>1402</td><td>500</td><td>2402</td><td>250</td><td>Filing a brief in support of an appeal</td><td></td></tr><tr><td>1403</td><td>1000</td><td>2403</td><td>500</td><td>Request for oral hearing</td><td></td></tr><tr><td>1452</td><td>500</td><td>2452</td><td>250</td><td>Petition to revive - unavoidable</td><td></td></tr><tr><td>1453</td><td>1500</td><td>2453</td><td>750</td><td>Petition to revive - unintentional</td><td></td></tr><tr><td>1462</td><td>400</td><td>1462</td><td>400</td><td>Petition fee under 37 CFR 1.17(f)</td><td></td></tr><tr><td>1463</td><td>200</td><td>1463</td><td>200</td><td>Petition fee under 37 CFR 1.17(g)</td><td></td></tr><tr><td>1464</td><td>130</td><td>1464</td><td>130</td><td>Petition fee under 37 CFR 1.17(h)</td><td></td></tr><tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17 (q)</td><td></td></tr><tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr><tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr><tr><td>1809</td><td>790</td><td>2809</td><td>395</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr><tr><td>1810</td><td>790</td><td>2810</td><td>395</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr><tr><td>1801</td><td>790</td><td>2801</td><td>395</td><td>Request for Continued Examination (RCE)</td><td></td></tr><tr><td colspan="5">Other fee (specify) #1501 issue fee \$1400; #1504 pub \$300; #8001 patent copies \$15</td><td>1715</td></tr><tr><td colspan="5"><b>*Reduced by Basic Filing Fee Paid</b></td><td></td></tr><tr><td colspan="5"><b>SUBTOTAL (3)</b></td><td><b>(\$1715)</b></td></tr></tbody></table>				Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	120	2251	60	Extension for reply within first month		1252	450	2252	225	Extension for reply within second month		1253	1020	2253	510	Extension for reply within third month		1254	1,590	2254	795	Extension for reply within fourth month		1255	2,160	2255	1080	Extension for reply within fifth month		1401	500	2401	250	Notice of Appeal		1402	500	2402	250	Filing a brief in support of an appeal		1403	1000	2403	500	Request for oral hearing		1452	500	2452	250	Petition to revive - unavoidable		1453	1500	2453	750	Petition to revive - unintentional		1462	400	1462	400	Petition fee under 37 CFR 1.17(f)		1463	200	1463	200	Petition fee under 37 CFR 1.17(g)		1464	130	1464	130	Petition fee under 37 CFR 1.17(h)		1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)		1809	790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))		1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))		1801	790	2801	395	Request for Continued Examination (RCE)		Other fee (specify) #1501 issue fee \$1400; #1504 pub \$300; #8001 patent copies \$15					1715	<b>*Reduced by Basic Filing Fee Paid</b>						<b>SUBTOTAL (3)</b>					<b>(\$1715)</b>
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																						
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																					
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																																					
1053	130	1053	130	Non-English specification																																																																																																																																																																																					
1812	2,520	1812	2,520	For filing a request for reexamination																																																																																																																																																																																					
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																					
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																					
1251	120	2251	60	Extension for reply within first month																																																																																																																																																																																					
1252	450	2252	225	Extension for reply within second month																																																																																																																																																																																					
1253	1020	2253	510	Extension for reply within third month																																																																																																																																																																																					
1254	1,590	2254	795	Extension for reply within fourth month																																																																																																																																																																																					
1255	2,160	2255	1080	Extension for reply within fifth month																																																																																																																																																																																					
1401	500	2401	250	Notice of Appeal																																																																																																																																																																																					
1402	500	2402	250	Filing a brief in support of an appeal																																																																																																																																																																																					
1403	1000	2403	500	Request for oral hearing																																																																																																																																																																																					
1452	500	2452	250	Petition to revive - unavoidable																																																																																																																																																																																					
1453	1500	2453	750	Petition to revive - unintentional																																																																																																																																																																																					
1462	400	1462	400	Petition fee under 37 CFR 1.17(f)																																																																																																																																																																																					
1463	200	1463	200	Petition fee under 37 CFR 1.17(g)																																																																																																																																																																																					
1464	130	1464	130	Petition fee under 37 CFR 1.17(h)																																																																																																																																																																																					
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)																																																																																																																																																																																					
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																					
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																					
1809	790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																					
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																					
1801	790	2801	395	Request for Continued Examination (RCE)																																																																																																																																																																																					
Other fee (specify) #1501 issue fee \$1400; #1504 pub \$300; #8001 patent copies \$15					1715																																																																																																																																																																																				
<b>*Reduced by Basic Filing Fee Paid</b>																																																																																																																																																																																									
<b>SUBTOTAL (3)</b>					<b>(\$1715)</b>																																																																																																																																																																																				
<b>1. BASIC FILING FEE</b>				<b>4. SEARCH/EXAMINATION FEES</b>																																																																																																																																																																																					
<table border="1"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>1011</td><td>300</td><td>2011</td><td>150</td><td>Utility filing fee</td><td></td></tr><tr><td>1012</td><td>200</td><td>2012</td><td>100</td><td>Design filing fee</td><td></td></tr><tr><td>1013</td><td>200</td><td>2013</td><td>100</td><td>Plant filing fee</td><td></td></tr><tr><td>1014</td><td>300</td><td>2014</td><td>150</td><td>Reissue filing fee</td><td></td></tr><tr><td>1005</td><td>200</td><td>2005</td><td>100</td><td>Provisional filing fee</td><td></td></tr><tr><td colspan="5"><b>SUBTOTAL (1)</b></td><td><b>(\$0)</b></td></tr></tbody></table>				Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1011	300	2011	150	Utility filing fee		1012	200	2012	100	Design filing fee		1013	200	2013	100	Plant filing fee		1014	300	2014	150	Reissue filing fee		1005	200	2005	100	Provisional filing fee		<b>SUBTOTAL (1)</b>					<b>(\$0)</b>	<table border="1"><tbody><tr><td>1111</td><td>500</td><td>2111</td><td>250</td><td>Utility Search Fee</td><td></td></tr><tr><td>1112</td><td>100</td><td>2112</td><td>50</td><td>Design Search Fee</td><td></td></tr><tr><td>1113</td><td>300</td><td>2113</td><td>150</td><td>Plant Search Fee</td><td></td></tr><tr><td>1114</td><td>500</td><td>2114</td><td>250</td><td>Reissue Search Fee</td><td></td></tr><tr><td>1311</td><td>200</td><td>2311</td><td>100</td><td>Utility Examination Fee</td><td></td></tr><tr><td>1312</td><td>130</td><td>2312</td><td>65</td><td>Design Examination Fee</td><td></td></tr><tr><td>1313</td><td>160</td><td>2313</td><td>80</td><td>Plant Examination Fee</td><td></td></tr><tr><td>1314</td><td>600</td><td>2314</td><td>300</td><td>Reissue Examination Fee</td><td></td></tr><tr><td colspan="5"><b>SUBTOTAL (4)</b></td><td><b>(\$0)</b></td></tr></tbody></table>				1111	500	2111	250	Utility Search Fee		1112	100	2112	50	Design Search Fee		1113	300	2113	150	Plant Search Fee		1114	500	2114	250	Reissue Search Fee		1311	200	2311	100	Utility Examination Fee		1312	130	2312	65	Design Examination Fee		1313	160	2313	80	Plant Examination Fee		1314	600	2314	300	Reissue Examination Fee		<b>SUBTOTAL (4)</b>					<b>(\$0)</b>																																																																														
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																						
1011	300	2011	150	Utility filing fee																																																																																																																																																																																					
1012	200	2012	100	Design filing fee																																																																																																																																																																																					
1013	200	2013	100	Plant filing fee																																																																																																																																																																																					
1014	300	2014	150	Reissue filing fee																																																																																																																																																																																					
1005	200	2005	100	Provisional filing fee																																																																																																																																																																																					
<b>SUBTOTAL (1)</b>					<b>(\$0)</b>																																																																																																																																																																																				
1111	500	2111	250	Utility Search Fee																																																																																																																																																																																					
1112	100	2112	50	Design Search Fee																																																																																																																																																																																					
1113	300	2113	150	Plant Search Fee																																																																																																																																																																																					
1114	500	2114	250	Reissue Search Fee																																																																																																																																																																																					
1311	200	2311	100	Utility Examination Fee																																																																																																																																																																																					
1312	130	2312	65	Design Examination Fee																																																																																																																																																																																					
1313	160	2313	80	Plant Examination Fee																																																																																																																																																																																					
1314	600	2314	300	Reissue Examination Fee																																																																																																																																																																																					
<b>SUBTOTAL (4)</b>					<b>(\$0)</b>																																																																																																																																																																																				
<b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b>																																																																																																																																																																																									
<table border="1"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>1202</td><td>50</td><td>2202</td><td>25</td><td>Claims in excess of 20</td><td></td></tr><tr><td>1201</td><td>200</td><td>2201</td><td>100</td><td>Independent claims in excess of 3</td><td></td></tr><tr><td>1203</td><td>360</td><td>2203</td><td>180</td><td>Multiple dependent claim, if not paid</td><td></td></tr><tr><td>1204</td><td>200</td><td>2204</td><td>100</td><td>** Reissue independent claims over original patent</td><td></td></tr><tr><td>1205</td><td>50</td><td>2205</td><td>25</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr><tr><td colspan="5"><b>SUBTOTAL (2)</b></td><td><b>(\$0)</b></td></tr></tbody></table>				Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1202	50	2202	25	Claims in excess of 20		1201	200	2201	100	Independent claims in excess of 3		1203	360	2203	180	Multiple dependent claim, if not paid		1204	200	2204	100	** Reissue independent claims over original patent		1205	50	2205	25	** Reissue claims in excess of 20 and over original patent		<b>SUBTOTAL (2)</b>					<b>(\$0)</b>																																																																																																																																								
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																						
1202	50	2202	25	Claims in excess of 20																																																																																																																																																																																					
1201	200	2201	100	Independent claims in excess of 3																																																																																																																																																																																					
1203	360	2203	180	Multiple dependent claim, if not paid																																																																																																																																																																																					
1204	200	2204	100	** Reissue independent claims over original patent																																																																																																																																																																																					
1205	50	2205	25	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																					
<b>SUBTOTAL (2)</b>					<b>(\$0)</b>																																																																																																																																																																																				

<b>SUBMITTED BY</b>				<b>Complete (if applicable)</b>	
Name (Print/Type)	G. Gregory	Registration No. (Attorney/Agent)	27,382	Telephone	248 641 1600
Signature				Date	November 20, 2006

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.